Remarks

This Supplemental Preliminary Amendment and the above-referenced substitute SEQUENCE LISTING are filed to conform the above-referenced application to the requirements of 37 C.F.R. §§ 1.821 - 1.825. In accordance with 37 C.F.R. § 1.821(e), a copy of the above-submitted substitute SEQUENCE LISTING in ASCII computer readable form is also submitted on even date herewith to the U.S. Patent and Trademark Office, Mail Stop Sequence, P.O. Box 1450, Alexandria, VA 22313. The contents of the paper version of the substitute SEQUENCE LISTING submitted herewith, and the computer readable form being submitted to Mail Stop Sequence, are the same and do not include new matter.

Applicant has received two apparently identical Notices to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures. One Notice was mailed June 28, 2004 and the other was mailed June 30, 2004. It is believed that this Supplemental Preliminary Amendment and the SEQUENCE LISTING filed herewith are fully responsive to both Notices.

The specification and claim 57 are amended to include sequence identifiers. No new matter was added thereby.

In order to comply with the sequence listing requirements for SEQ ID NO:2, the sequence therefor in the SEQUENCE LISTING was amended from "cgccatgnnnn" to "cgccatgnnn" so as to remove the eleventh feature, an "n" which corresponded to Y_1 in originally filed claim 14 and which represents the remainder of an open reading frame after a first codon (X_1), now the "nnn" after "cgccatg" (see page 23, line 26-page 24-line 7). However, claim 14 recites $CGCCATGX_1Y_1$ before SEQ ID NO:2.

In order to comply with the sequence listing requirements for SEQ ID NO:71, the sequence for SEQ ID NO:71 in the SEQUENCE LISTING was amended from "nnnncatggcgat" to "nnncatggcgat" so as to remove the first feature, an "n" which corresponded to Y_2 in originally filed claim 14 and which represents the complement of the remainder of the open reading frame mentioned above, while the remaining n's correspond to X_2 which represents the complement of X_1 referred to hereinabove (see page 23, line 26-page 24, line 7). Nevertheless, claim 14 recites 3' $TAGCGGTACX_2Y_2$ 5' before SEQ ID NO:71.

In order to comply with the sequence listing requirements, the sequence for SEQ ID NO:72 in the SEQUENCE LISTING was amended from "nnngtttnnn" to "nnngtttnnnnn" so that n_{10} in the previous listing (which represented a codon) now corresponds to n_{10}-n_{12} where each n is A, T, G or C (see page 24, lines 18-20).

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Conclusion

The Examiner is invited to telephone Applicant's representative at (612) 373-6959 to facilitate prosecution of this application. If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully Submitted,

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By their Representatives,

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Date July 23, 2004 By _____
Janet E. Embretson
Reg. No. 39,665

CERTIFICATE UNDER 37 CFR § 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelop addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 27th day of July 2004.

Name Yvette R Jaeger Signature _____